Declaration of Conformity

In Accordance with ANSI/ISEA 125-2014 and ANSI/ASSP Z359.7-2019

Alexander Andrew, Inc. 1306 S. Alameda St Compton, CA 90221 (800) 719-4619

Declaration #	B1215059r	Declaration Date	3/10/2025

Tested Item # **8073RFDM** **Arc Flash Nomex Construction Climbing FBH Medium 3D w/RSQ Loops MB Legs/MB Chest**

Additional Items Conforming Under this Declaration:							
8073RFDS	8073RFDL	8073RFDXL	8073FDS	8073FDM	8073FDL	8073FDXL	8073RS
8073RM	8073RL	8073RXL	8073R2X	8073R3X	8073R4X	8073S	8073M
8073L	8073XL	8073QCS	8073QCM	8073QCL	8073QCXL	8073QC2X	8073QC3X
8073FDQCXS	8073FDQCS	8073FDQCM	8073FDQCL	8073FDQCXL	8073FDQC2X	8073FDQC3X	8074FDQCXS
8074FDQCS	8074FDQCM	8074FDQCL	8074FDQCXL	8074FDQ2X	8074FDQC3X	8077FDQCXS	8077FDQCS
8077FDQCM	8077FDQCL	8077FDQCXL	8077FDQC2X	8077FDQC3X	8078FDQCXS	8078FDQCS	8078FDQCM
8078FDQCL	8078FDQCXL	8078FDQC2X	8078FDQC3X	8079FDQCXS	8079FDQCS	8079FDQCM	8079FDQCL
8079FDQCXL	8079FDQC2X	8079FDQC3X	8073BFDQCXS	8073BFDQCS	8073BFDQCM	8073BFDQCL	8073BFDQCXL
8073BFDQC2X	8073BFDQC3X	80773DQCXS	80773DQCS	80773DQCM	80773DQCL	80773DQCXL	80773DQC2X
80773DQC3X	80803DQCXS	80803DQCS	80803DQCM	80803DQCL	80803DQCXL	80803DQC2X	80803DQC3X
8077B4DQCXS	8077B4DQCS	8077B4DQCM	8077B4DQCL	8077B4DQCXL	8077B74DQC2X	8077B4DQC3X	8048AFS
8048AFM	8048AFL	8048AFXL	8048AF2X	8049AFXS	8049AFS	8049AFM	8049AFL
8049AFXL	8049AF2X	8049AF3X	8077CFDQC2X	8077CFDQC3X	8077CFDQCL	8077CFDQCM	8077CFDQCS
8077CFDQCXL	8077CFDQCXS						

Alexander Andrew, Inc. declares that the product(s) listed above is in conformity with the requirements of the following product standard(s):

ANSI Z359.11-2014 & ASTM F887

Conformity Assessment Method in accordance with ANSI/ISEA 125-2014

Level 1		Level 2	X	Level 3	

Level 1: FallTech Lab Outside the Scope of ISO/IEC Standard 17025:2005	**Level 2**: FallTech Lab Within the Scope of ISO/IEC Standard 17025:2005	**Level 3**: Independent 3rd Party Lab accredited to ISO/IEC Standard 17025:2005

Supporting Documentation **PC-0762** **PC-0762HF** **K-418809-1509H13-R00**

Authorized Signature

Name Zachary Winters **Title** Engineering Manager **Date** 3/10/2025

International Accreditation Service, Inc
3060 Saturn St, Ste 100
Brea, CA 92821 +1 562-364-8201

FallTech Lab - TL-594
ISO/IEC 17025:2017
Alexander Andrew Inc dba FallTech

FallTech Testing Laboratory
1306 S. Alameda Street,
Compton, CA 90221-4803
Tel: (323) 752-0060
www.falltech.com

FallTech Test Report

Test Report Number	PC-0762	**Date**	12/23/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13			
Base Part #	8073RFD	**Description**		Full Body Harness			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	NO
Test Request #	PC-0762	**Date Received**		11/10/2015	**Date Complete**		12/1/2015
Test Operator	Yesbet Sierra	**Test Operator**		Oscar Jaramillo			

Material/Sample Identification

Sample ID	Description
2613393	Full Body Harness
2613383	Full Body Harness
2613382	Full Body Harness
2613384	Full Body Harness
2613376	Full Body Harness
2613386	Full Body Harness
2613388	Full Body Harness
2613387	Full Body Harness
2613394	Full Body Harness
2613378	Full Body Harness
2613389	Full Body Harness
2613364	Full Body Harness
2613385	Full Body Harness
2613380	Full Body Harness
2613381	Full Body Harness
2613390	Full Body Harness
2613373	Full Body Harness
2613375	Full Body Harness
2613392	Full Body Harness
2613377	Full Body Harness
2613372	Full Body Harness

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FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.

ACCREDITED
Certificate# TL-594 Testing

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Base Part #	8073RFD	**Description**		Full Body Harness			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	NO
Test Request #	PC-0762	**Date Received**		11/10/2015	**Date Complete**		12/1/2015

Test Summary

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.11-2014 4.3.5	Static Strength (Dorsal D-ring)	3600 LBf ≥ 1 Minute	3647.7 Lbf	Pass
	Static Strength (Dorsal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass
ANSI Z359.11-2014 4.3.5	Static Strength (Dorsal D-ring)	3600 LBf ≥ 1 Minute	3635.1 Lbf	Pass
	Static Strength (Dorsal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass
ANSI Z359.11-2014 4.3.5	Static Strength (Dorsal D-ring)	3600 LBf ≥ 1 Minute	3635.7 Lbf	Pass
	Static Strength (Dorsal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass

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Initiated By	Dan Redden	**Test Specification**		ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13			
Base Part #	8073RFD	**Description**		Full Body Harness			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	NO
Test Request #	PC-0762	**Date Received**		11/10/2015	**Date Complete**		12/1/2015

ANSI Z359.11-2014 4.3.5	Static Strength (Sternal D-ring)	3600 LBf ≥ 1 Minute	3634.7 Lbf	Pass
	Static Strength (Sternal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass
ANSI Z359.11-2014 4.3.5	Static Strength (Sternal D-ring)	3600 LBf ≥ 1 Minute	3651.4 Lbf	Pass
	Static Strength (Sternal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass
ANSI Z359.11-2014 4.3.5	Static Strength (Sternal D-ring)	3600 LBf ≥ 1 Minute	3656.3 Lbf	Pass
	Static Strength (Sternal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass

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Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13			
Base Part #	8073RFD	**Description**		Full Body Harness			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	NO
Test Request #	PC-0762	**Date Received**		11/10/2015	**Date Complete**		12/1/2015

ANSI Z359.11-2014 4.3.5	Static Strength (Side D-ring)	3600 LBf ≥ 1 Minute	3657.3 Lbf	Pass
	Static Strength (Side D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass
ANSI Z359.11-2014 4.3.5	Static Strength (Side D-ring)	3600 LBf ≥ 1 Minute	3687.9 Lbf	Pass
	Static Strength (Side D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass
ANSI Z359.11-2014 4.3.5	Static Strength (Side D-ring)	3600 LBf ≥ 1 Minute	3637.1 Lbf	Pass
	Static Strength (Side D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass

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Report Prepared For	FallTech						
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Base Part #	8073RFD	**Description**		Full Body Harness			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	NO
Test Request #	PC-0762	**Date Received**		11/10/2015	**Date Complete**		12/1/2015

ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring	Peak Impact Load ≥ 3,600 Lbf	7296.7 Lbf	Pass
	Dynamic Performance Dorsal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Dorsal D-ring	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Dorsal D-ring	Angle at Rest ≤ 30°	5.45°	Pass
	Dynamic Performance Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
	Dynamic Performance Dorsal D-ring	Harness Stretch Shall Not Exceed 18"	8.88"	Pass
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring	Peak Impact Load ≥ 3,600 Lbf	6439.8 Lbf	Pass
	Dynamic Performance Dorsal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Dorsal D-ring	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Dorsal D-ring	Angle at Rest ≤ 30°	1.15°	Pass
	Dynamic Performance Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
	Dynamic Performance Dorsal D-ring	Harness Stretch Shall Not Exceed 18"	9.84"	Pass

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Base Part #	8073RFD	**Description**		Full Body Harness			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	NO
Test Request #	PC-0762	**Date Received**		11/10/2015	**Date Complete**		12/1/2015

ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring	Peak Impact Load ≥ 3,600 Lbf	7624.9 Lbf	Pass
	Dynamic Performance Dorsal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Dorsal D-ring	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Dorsal D-ring	Angle at Rest ≤ 30°	2.40°	Pass
	Dynamic Performance Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
	Dynamic Performance Dorsal D-ring	Harness Stretch Shall Not Exceed 18"	11.40"	Pass
ANSI Z359.11-2014 4.3.3	Dynamic Performance Sternal D-ring	Peak Impact Load ≥ 3,600 Lbf	3528.7 Lbf	Pass
	Dynamic Performance Sternal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Sternal D-ring	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Sternal D-ring	Angle at Rest ≤ 30°	23.45°	Pass
	Dynamic Performance Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
	Dynamic Performance Sternal D-ring	Harness Stretch Shall Not Exceed 18"	14.64"	Pass

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Base Part #	8073RFD	**Description**		Full Body Harness			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	NO
Test Request #	PC-0762	**Date Received**		11/10/2015	**Date Complete**		12/1/2015

ANSI Z359.11-2014 4.3.3	Dynamic Performance Sternal D-ring	Peak Impact Load ≥ 3,600 Lbf	3540.3 Lbf	Pass
	Dynamic Performance Sternal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Sternal D-ring	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Sternal D-ring	Angle at Rest ≤ 30°	21.80°	Pass
	Dynamic Performance Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
	Dynamic Performance Sternal D-ring	Harness Stretch Shall Not Exceed 18"	13.68"	Pass
ANSI Z359.11-2014 4.3.3	Dynamic Performance Sternal D-ring	Peak Impact Load ≥ 3,600 Lbf	4232.8 Lbf	Pass
	Dynamic Performance Sternal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Sternal D-ring	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Sternal D-ring	Angle at Rest ≤ 30°	23.90°	Pass
	Dynamic Performance Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
	Dynamic Performance Sternal D-ring	Harness Stretch Shall Not Exceed 18"	11.40"	Pass

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Base Part #	8073RFD	Description	Full Body Harness				
Proposed Part #	N/A	Built By Whom	Production		BOM	NO	
Test Request #	PC-0762	Date Received	11/10/2015	Date Complete	12/1/2015		

ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.7	Lanyard Parking Attachment Element	Disengagement load $\leq$ 120 Lbf	Previously tested and Passed under PC-0761	Pass

Conclusion

FallTech P/N 8073RFD meets the requirements of ANSI Z359.11-2014 and ASTM F887-13.

Report Signatories and Approval

Lab Quality Manager	Jay Sponholz	Date	12/23/2015
Witnessed by	M A Francis	Date	12/29/15

REGISTERED PROFESSIONAL ENGINEER MAGDY A. FRANCIS No. [illegible] MECHANICAL STATE OF CALIFORNIA

Test Performed for
ArcWear.com
Louisville, KY 40223
www.ArcWear.com

Personal Climbing Equipment provided by
FallTech
1306 S Alameda St
Compton, CA 90221
800.719.4619

8073RFDM, Full Body Harness

ASTM F887-13 Standard Specifications for Personal Climbing Equipment
Section 22, Electric Arc Performance Evaluation

Kinectrics Inc. Report No.: K-418809-1509H13-R00

Item received: September 23, 2015
Test Date: September 23, 2015

Client representative: Hugh Hoagland
ArcWear

Prepared by: Andrew Haines
Technologist
Kinectrics Inc

Approved by: Claude Maurice
Laboratory Manager, HCL
Kinectrics Inc

Note about this report

- The test performed does not apply to electrical contact or electrical shock hazard
- The test result is applicable only to the Test Item, other material or color may have a different response.
- The findings of this report are based on the current test method as described in the Reference Standard
- It is assumed that the information supplied by the client was valid and complete

Electric Arc Exposure Test Report

Test Description

Harnesses- The test program requires the specimens be placed on mannequins as normally worn. A minimum of six samples are tested, three samples with the front facing the arc and three samples with the back side toward the arc. The mannequin is positioned as to have the arc centered on the chest for front facing exposure and centered on the fall arrest attachment for the back facing exposure.

Harness accessories, loops etc. - Three specimens of each accessory or loop are required to be exposed to the arc. These may be attached webbing or other suitable means to allow the item to be held against the mannequin or panel at a distance of 30.5 cm (12 inches).

Shock Absorbing Lanyard - Three specimens of each lanyard are required to be exposed to the arc. These are placed over the shoulder and held against the mannequin or panel at a distance of 30.5 cm (12 inches). Several lanyards may be tested at one time on the same mannequin.

Test Requirements

The test standard requires that the finished personal climbing equipment be exposed to a level of 40±5 cal/cm². In the case where the arc exposure is out of range of the standard, extra samples may be performed if available. There shall be no ignition of any component, no greater than 5 seconds afterflame and no melting and dripping of any materials.

As proof of performance following the arc exposure, the exposed test specimens shall be subjected to a drop test per ANSI Z359.1 or Z349.13 as applicable. This shall be done as soon as practically possible. ArcWear has arranged to have the test items returned to the client or other laboratory to perform the drop test.

Results and Observations

The following test data was recorded for each trial:

- Arc exposure electrical conditions: arc trial number, RMS arc current, arc voltage, arc duration, energy dissipated in arc, plots of arc current and arc voltage
- Average incident energy from monitors.
- Photographs of exposed samples before and after exposure
- Video recording during and immediately after the exposure to record after-flame
- Examination of the samples after the test for evidence of ignition, melting and dripping or any other material problems.

The essential test data and test results with a representative photograph of the samples are presented in the following pages. The observations are performed by a qualified observer that has knowledge of behavior of materials in an arc exposure and in depth knowledge of arc testing specifications and requirements.

Quality Management

The arc testing performed to the above mentioned Standard is accredited by the Standards Council of Canada (SCC) to conform to the requirements of CAN-P-4E (ISO/IEC 17025:2005). Accreditation by the Standards Council of Canada (SCC) is a mark of competence and reliability recognized throughout the world.

Sample description: **Full Body Harness**
Sample identification: **8073RFDM**
Material of webbing: **Nomex**

Trial # 15-6260		
Mannequin	A – front exposure	B – back exposure
Item Serial #	N/A	N/A
Ei, cal/cm²	42.2	40.3
Afterflame	1	1
Ignition	N	N
Melting and dripping	N	N
Comment	Pass	Pass
Trial # 15-6262		
Mannequin	A – front exposure	B – back exposure
Item Serial #	N/A	N/A
Ei, cal/cm²	42.8	41.0
Afterflame	1	1
Ignition	N	N
Melting and dripping	N	N
Comment	Pass	Pass
Trial # 15-6263		
Mannequin	A – front exposure	B – back exposure
Item Serial #	N/A	N/A
Ei, cal/cm²	44.0	39.7
Afterflame	1.5	1.0
Ignition	N	N
Melting and dripping	N	N
Comment	Pass	Pass

Conclusions

The 8073RFDM Full Body Harness has met the no melting, no dripping, no ignition criteria of ASTM F887-13 section 22.8. In order to satisfy the Electric Arc Performance requirements in accordance with section 22 of the standard, the test specimens must pass the specified drop test following arc exposure.